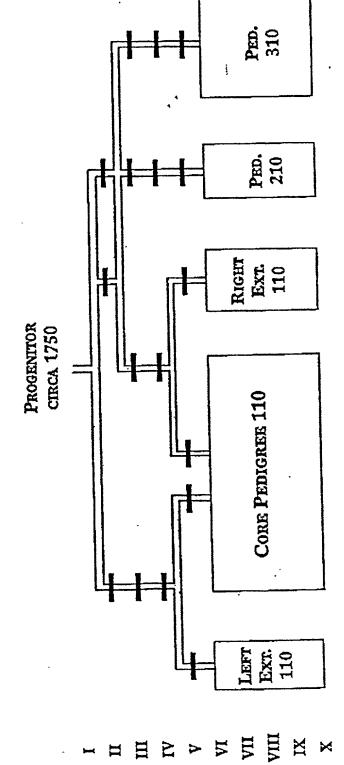
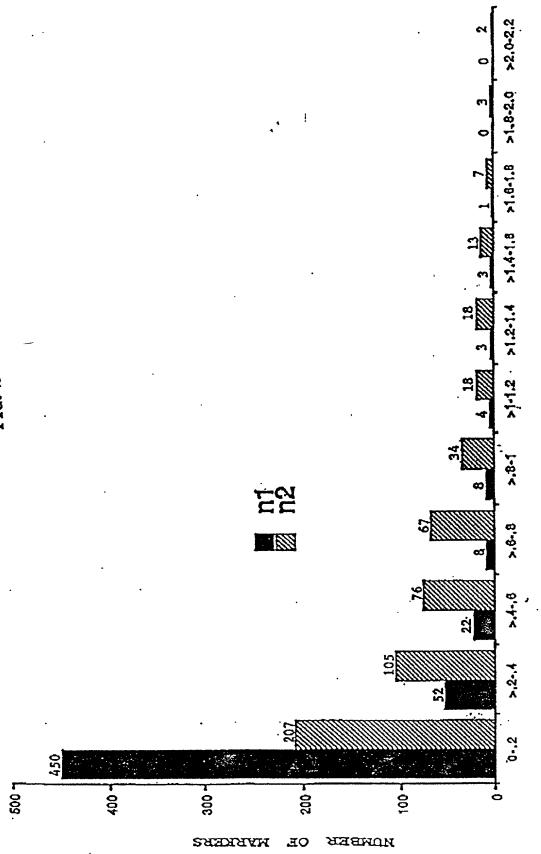
E 1 . .

ANCESTRAL TRACE FOR AMISH STUDY BIPOLAR PEDIGREES



A



CLASS BOUNDS

MAX LOD SCORES

SIBPAL \mathbf{P} D6S1600 0.7105 15.5 * **D6S7** 0.0003 15.5 D6S1574 0.5810 3.3 **D6S1668** 0.5000 18.9 In the first test and the first 5.3 **UT6077** 24.2 0.2226 10.2 **UT7170** 34.3 3.4 * D6S89 37.7 6.0 **DS61959** 43.6 7.5 **GATA137G09** 51.2

* = NG markers/values

SIBPAL P

	D13S56h1		0.0
	Dissour	0.0	
	D13S56h2		0.0
0.0045	* D13S291	11.6	11.6
0.0865	D135271	6.8	11.0
	D13S37		10.4
	GATA125CO4	2.8	18.4
0.0171	* D13S218	2.0	
0.4336	D13S894		21.2
		6.1	
	* D13S1m		27.3
0.0003		0.0	
	* D13S1t		27.3
		5.2	
0.4905	* D13S171		32.5
0.4905	. 01291/1	2.0	ر.عر
		3.8	
0.1593	D13S260		36.3
		10.4	
	D13S221		46.7
		6.5	
	D12022	0. 5	52.2
	D13S232		53.2

Figure 4

SIBPAL P			0.0
	D15S114	11.1	
0.1449	299yf	5.8	11.1
0.0411	D15S131	7,8	16.8
0.2091	D15S153	7.6	24.6
0.0114	* D15S36		32.2
0.0003	* D15S45	1.	
0.0433	D15S159	1.5	
0.0217	* D15S148		33.6
0.1020	135yc	1.4	35.0
	D15S1033		33.0
	D15S150 D15S38	1.7	2.7
	* D15S117	5.6	36.7
	GATA153F11	5.1	42,3
	D15S962		47.4
	D15S48ml	1.0	
	189yc	1.2	48.6
	10/10	2.4	1

Figure 5

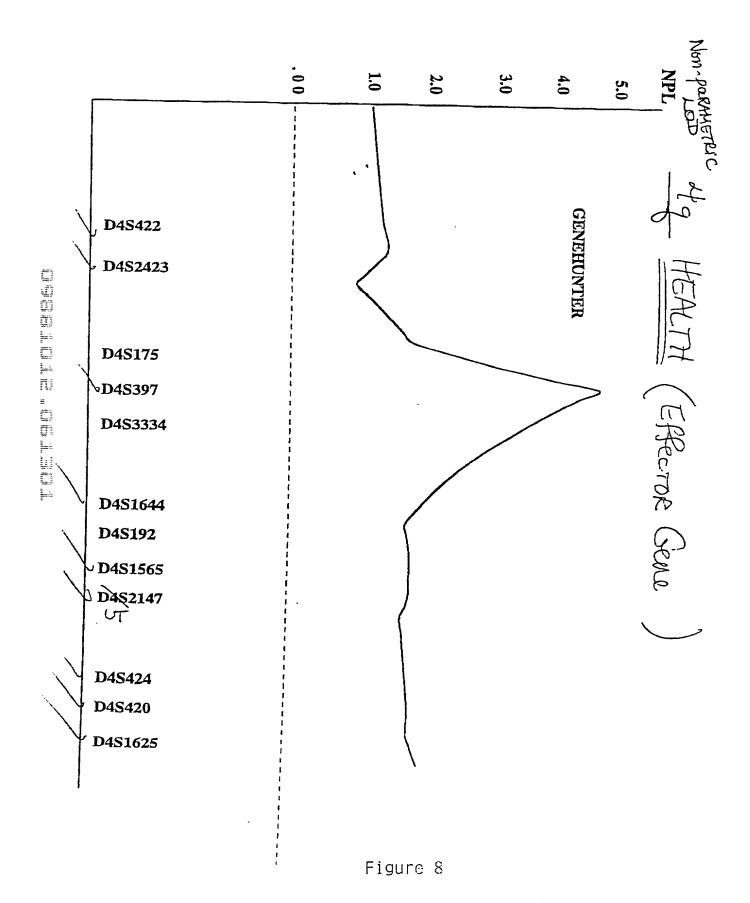
SIBPAL P Value

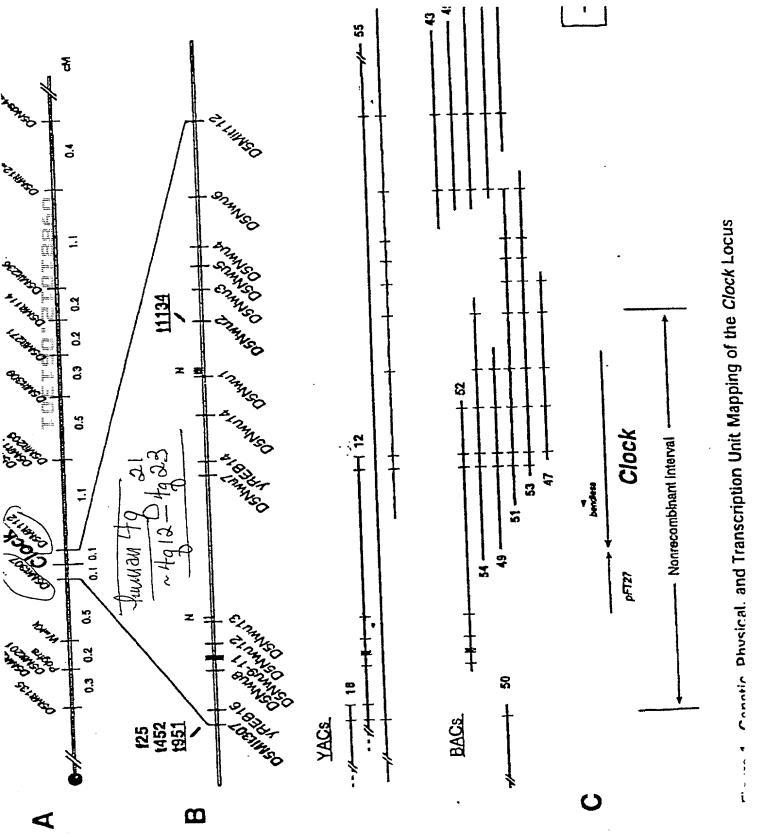
	D4S412		
	0.5241 D482935	13.6	0.0
The state of the s	D4S2333	. 1.2	13.6
	D4S431a	0.9	14.8
	0.D∞2→D4S2366-	1.0	16.7
	D4S394a -	3.2	
	\circ .0015 \rightarrow D4S3007	2.1	19.8
	0.0035 TD4S394 -		21.9
	O,0000-D4S2949-	9.4	31.3
Service in	O.0626 -D4S1605	2.5	31.3
	0,0005 \D4S1582 -	0.5	33.8
	D4S107m \D4S403 -		
	O.0002 - D4S419 -	7.6	34.3
		6.2	41.9
	0,0004 — D4S404 —	6.6	48.1
	D4S391 —	12.1	 54.7
	D4S405 —	12.1	66.8

SIBPAL P			
	D4S100	7.4	0.0
	D4S406		- 7.4
	D4S1611	3.9	
	D4S101t		
	UT7739	3.7	11.4
	D4S1573		15.0
<0.0001	D4S402	1.2	17.6
0.0001	D4S109	1.2	
	D4S427		18.9
	D4S1615	8.6	— 27.5
·		8.4	
	D4S2959	5.6	 35.9
	D4S1576	4.5	- 41.5
	D4S422		 46.0
	D4S2423	1.4	
	D4S422a	1.8	- 47.4
<0.0001	D4S175	2.6	_ 49.2
<0.0001	D4S397		
	D4S3334	2.5	- 51.8
	D4S1644		– 54.3
	D4S192	3.4	
	D4S1565		
	UT2147	2.7	- 57.7
0.0003	D4S424 -	2.2	- 60.4
	D4S420	2.2	
	D4S1625		- 62.6
	UT1264 -	4.8	- 67.3
	D4S413	15.3	- 82.7
-	GATA8A05		

to How M(NG 96)

Figure 7





AMISH STUDY BIPOLAR PEDIGREE EXTENSIONS **PROGENITOR**

1700-1750

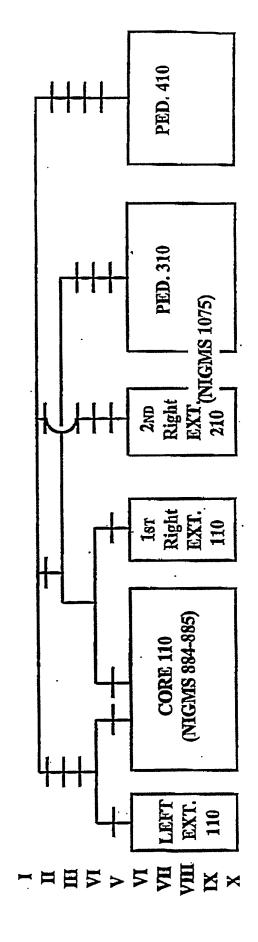


Figure 10

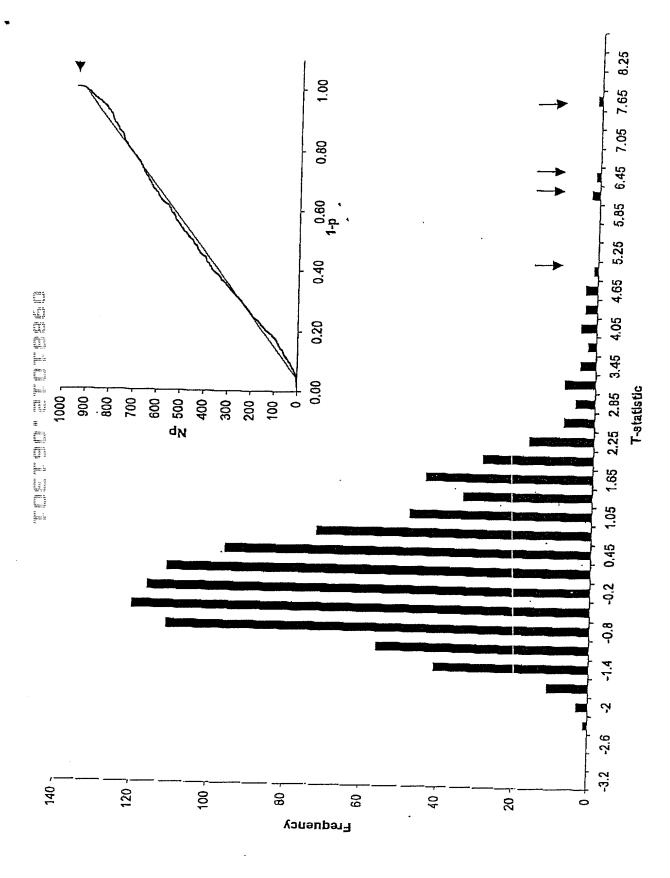


Figure 11

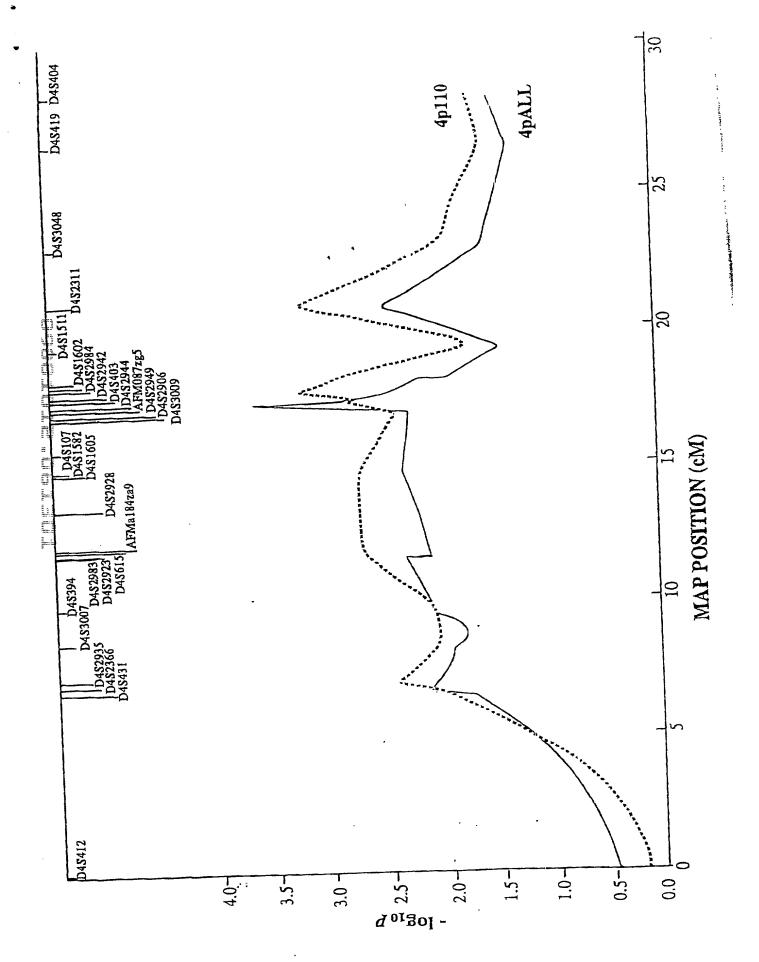


Figure 12A

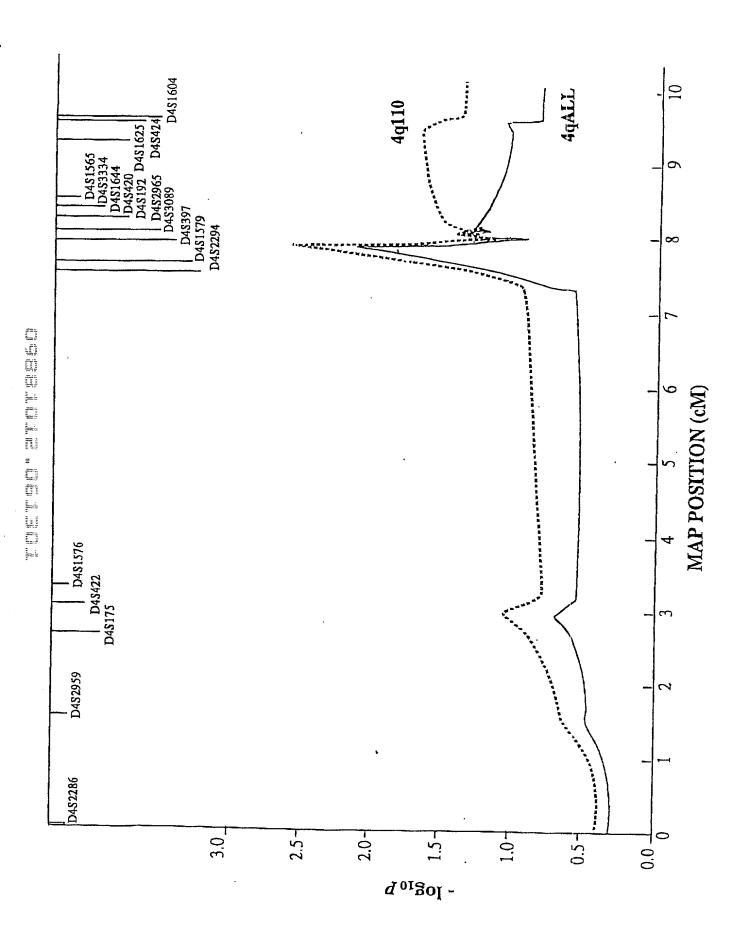


Figure 12B